

FIG. 5

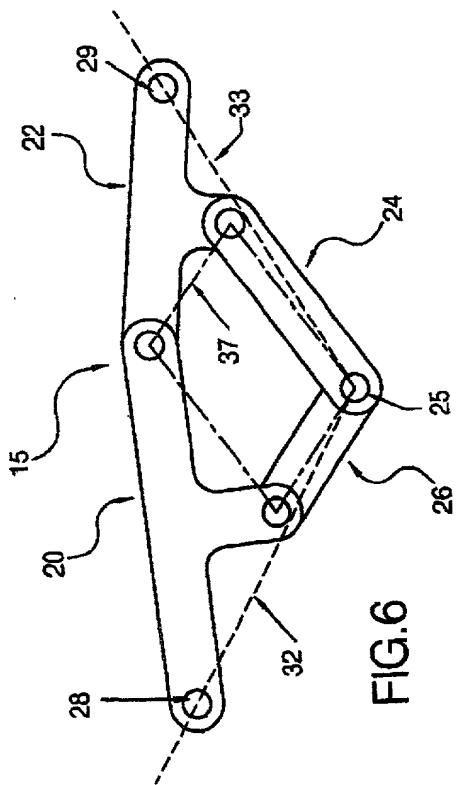


FIG. 6

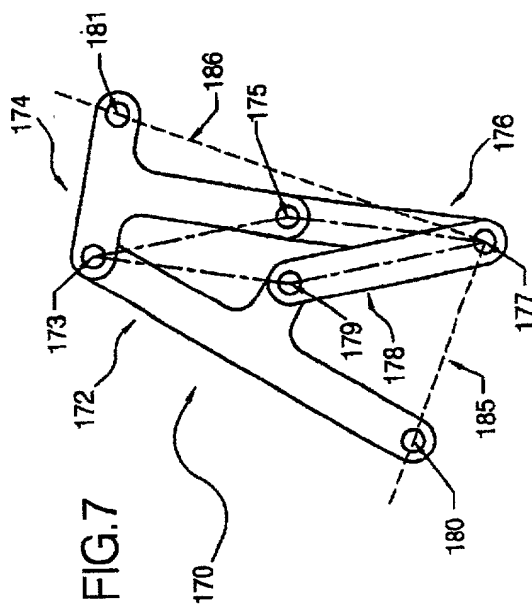


FIG. 7

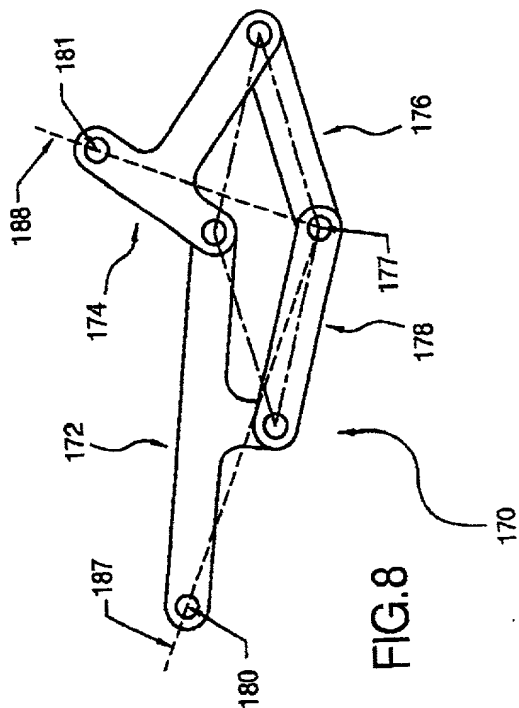


FIG. 8

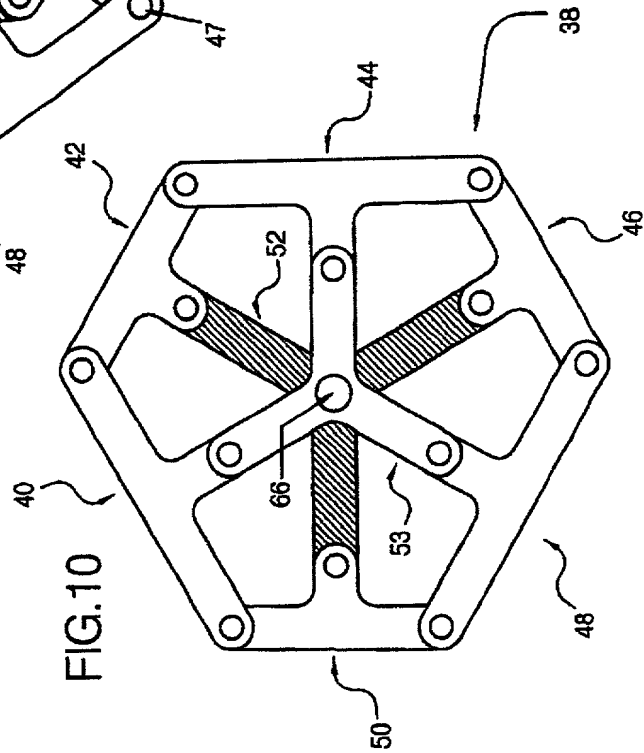
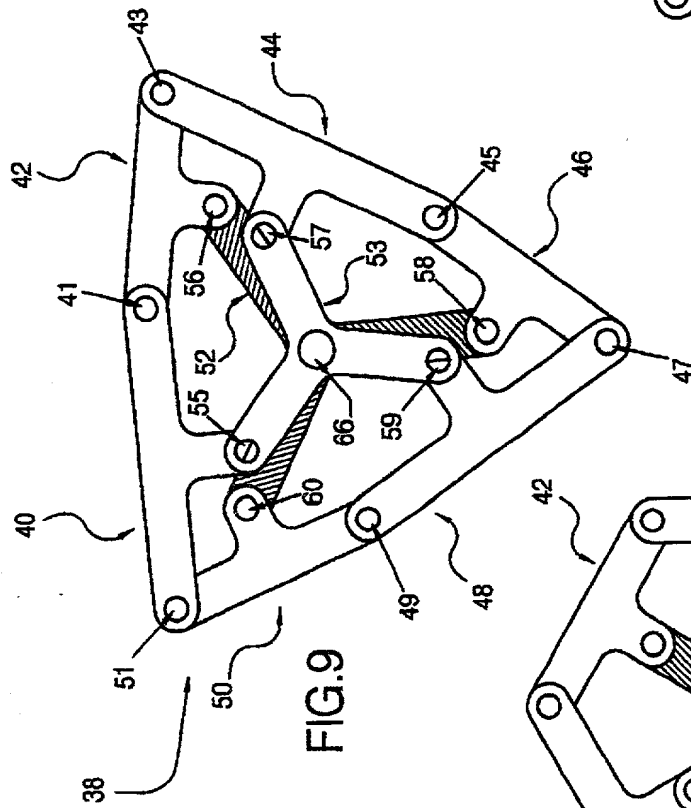


FIG. 11

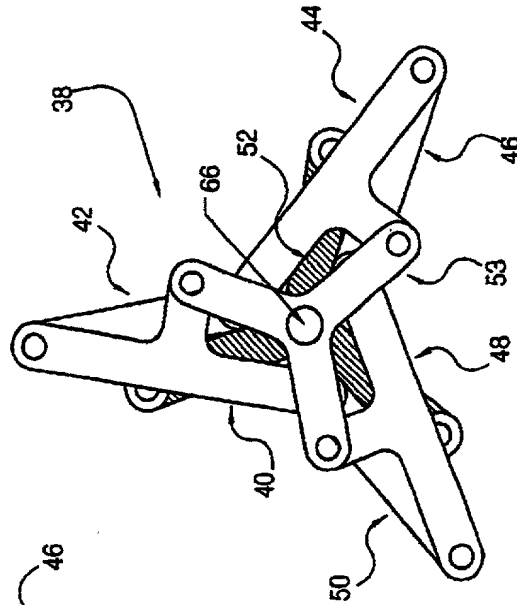


FIG. 12 is a schematic diagram of a mechanical linkage system in a first configuration. The system includes a base 70, a first link 72, a second link 74, a third link 76, and a fourth link 78. The first link 72 is pivoted to the base 70 at joint 81 and to the second link 74 at joint 82. The second link 74 is pivoted to the third link 76 at joint 83. The third link 76 is pivoted to the fourth link 78 at joint 84. The fourth link 78 is pivoted to the base 70 at joint 85. A dashed line 91 indicates the path of the first link 72. A dashed line 92 indicates the path of the second link 74. A dashed line 93 indicates the path of the third link 76. A dashed line 94 indicates the path of the fourth link 78.

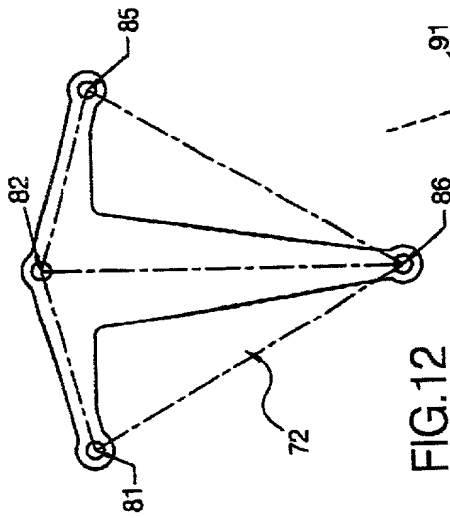


FIG. 12

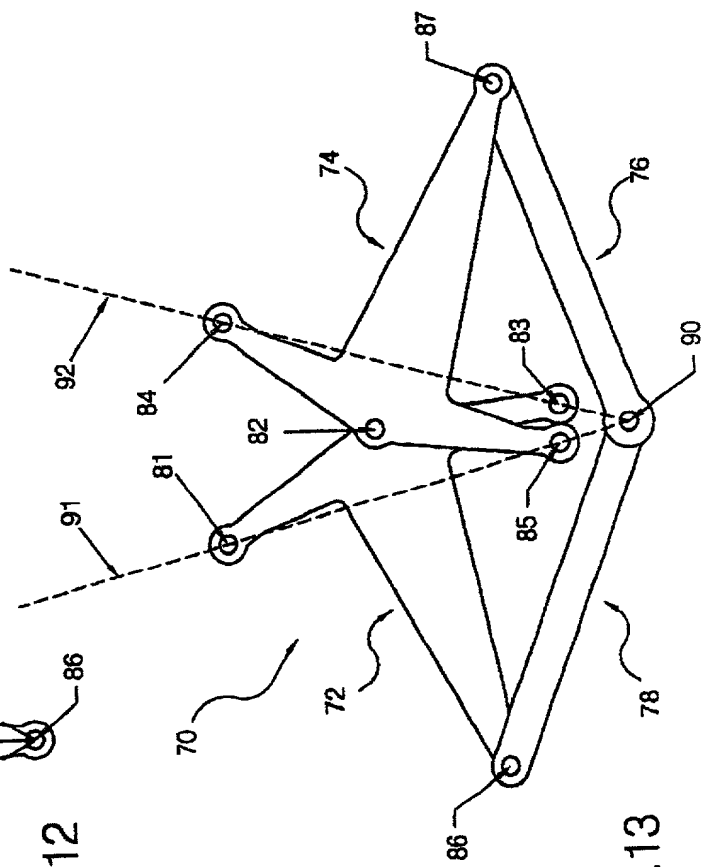


FIG. 13

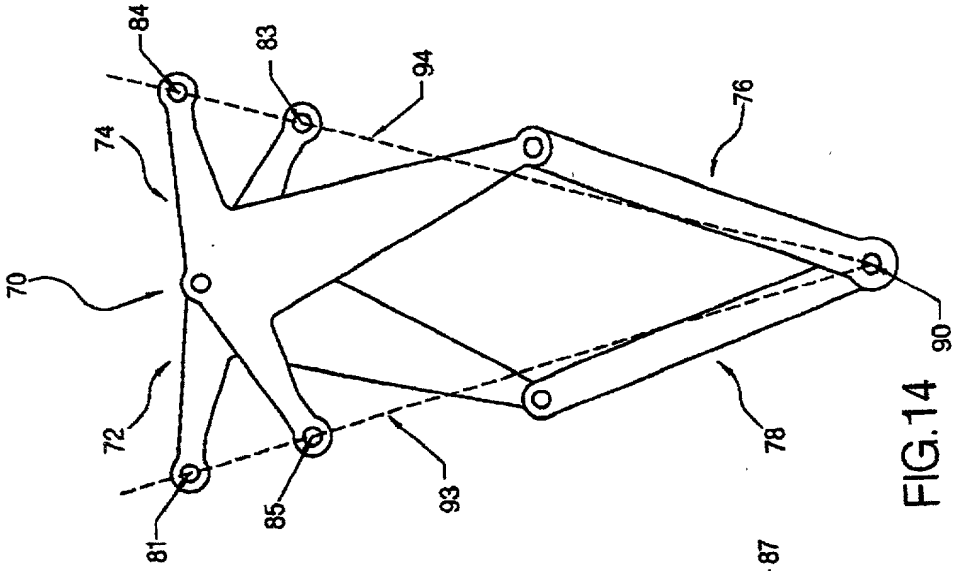


FIG. 14

FIG.16

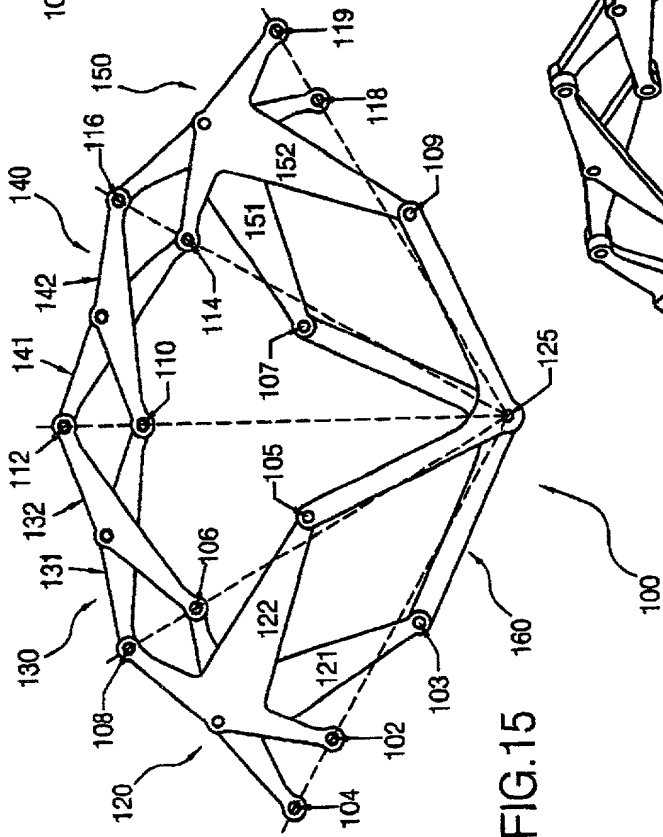
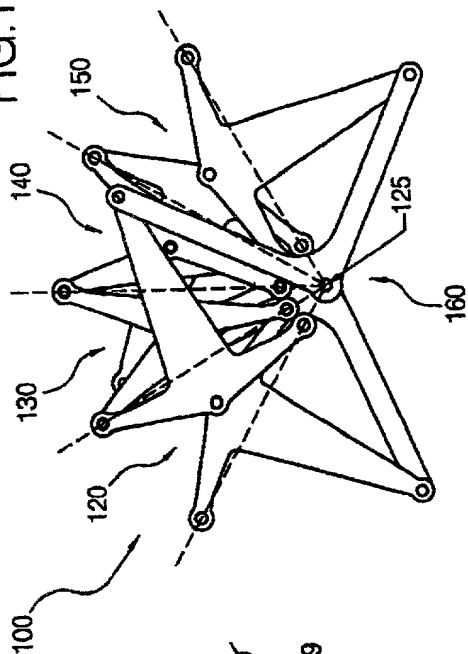


FIG.15

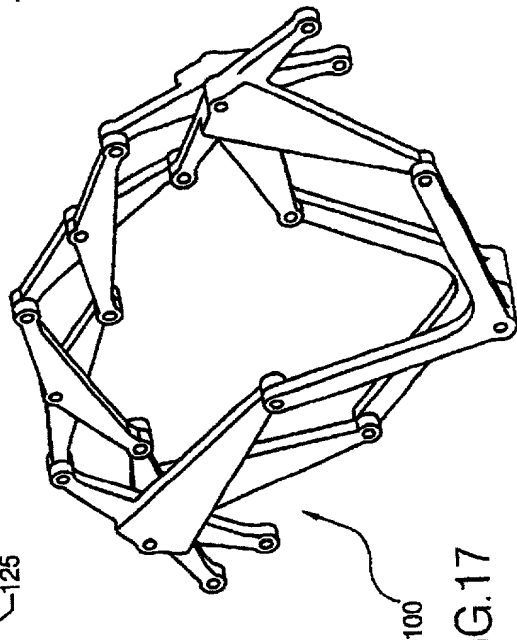


FIG.17

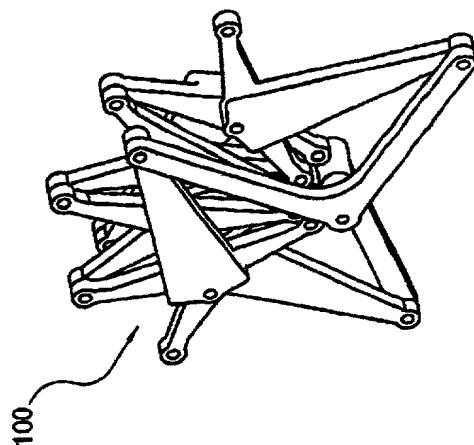


FIG.18

FIG. 19 is a perspective view of a first embodiment of a structure 200, which is a cage-like structure formed by a plurality of interconnected members 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 266, 267, 270. The structure 200 is a cage-like structure formed by a plurality of interconnected members 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 266, 267, 270. The structure 200 is a cage-like structure formed by a plurality of interconnected members 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 266, 267, 270.

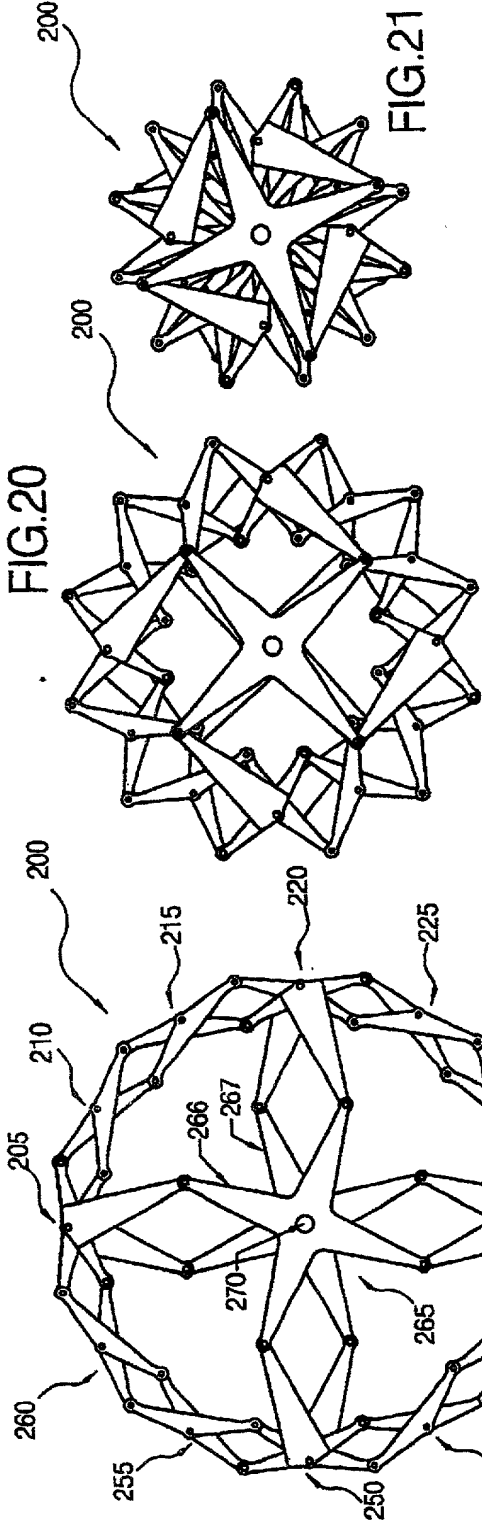


FIG.19

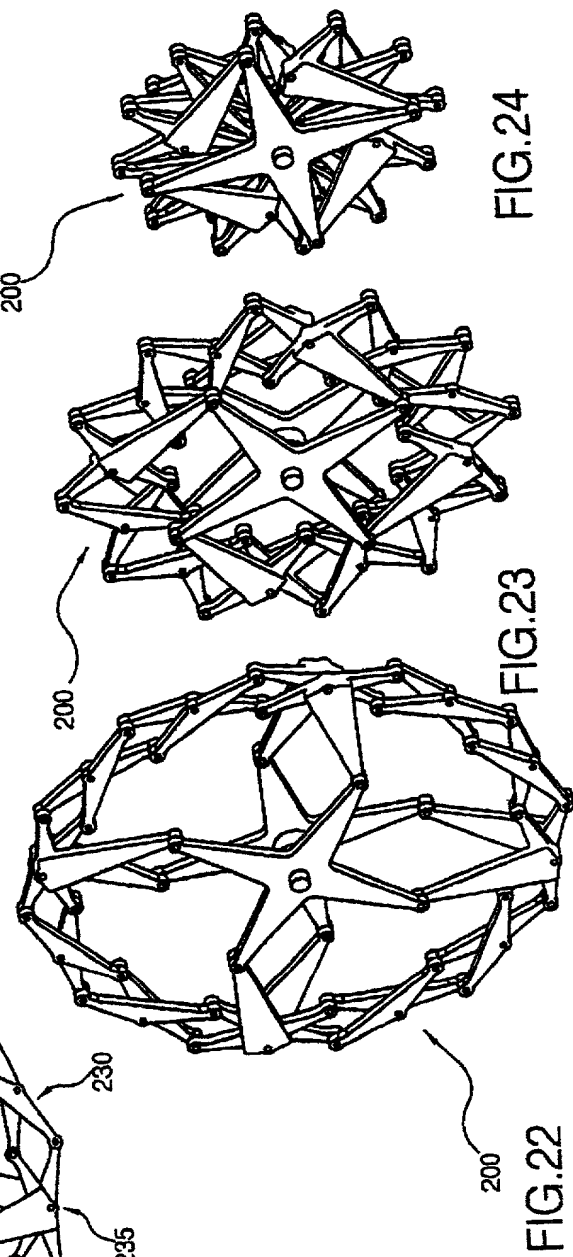


FIG.20

FIG.21

FIG.22

FIG.23

FIG.24

FIG. 25 is a perspective view of a portion of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 26 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 27 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 28 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 29 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 30 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304. FIG. 31 is a perspective view of the device 300, showing the outer shell 302 and the internal structure 304.

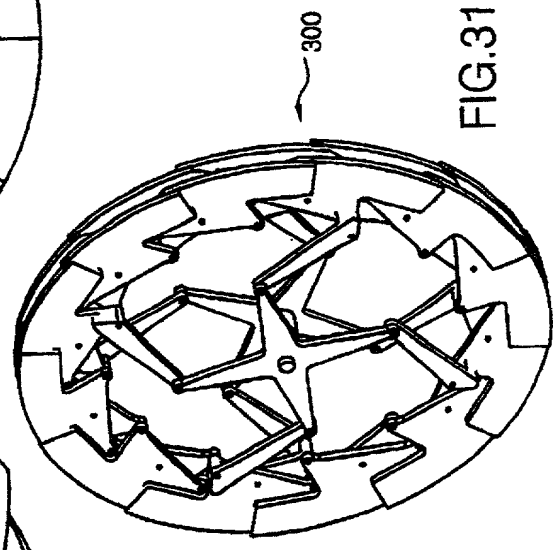
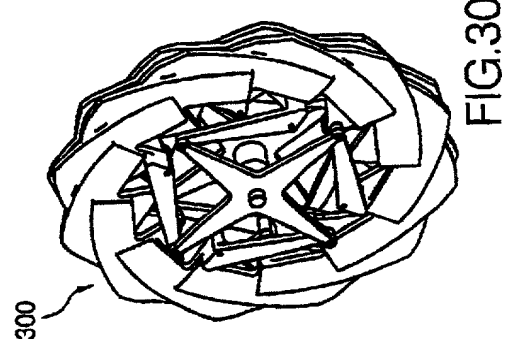
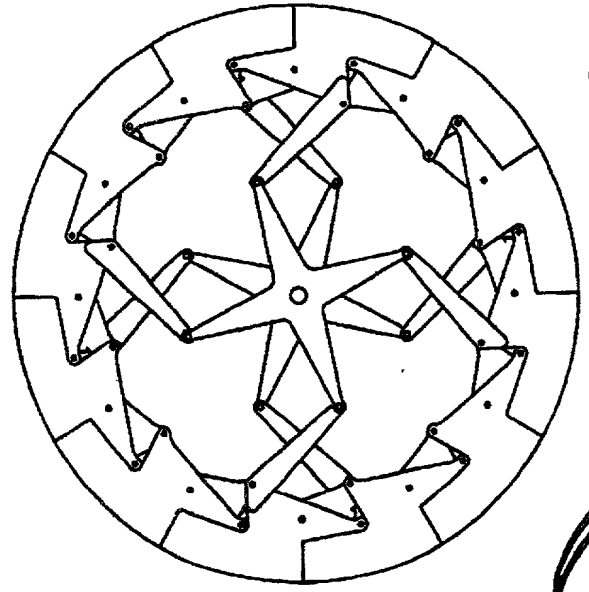
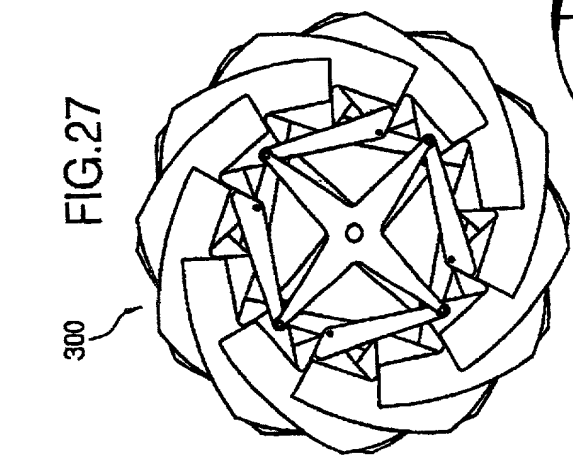
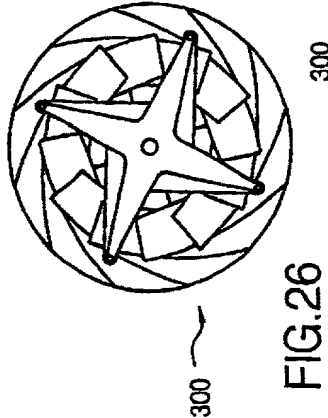
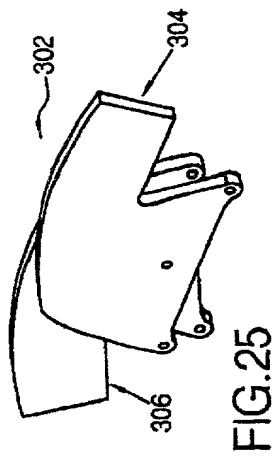


FIG. 32

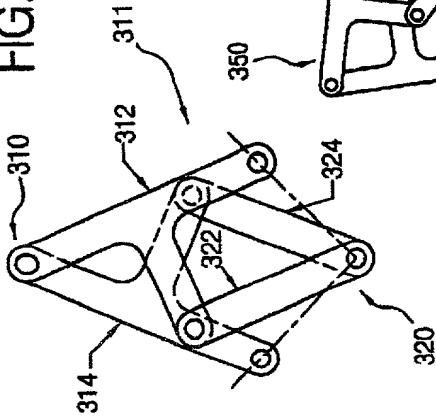


FIG. 33

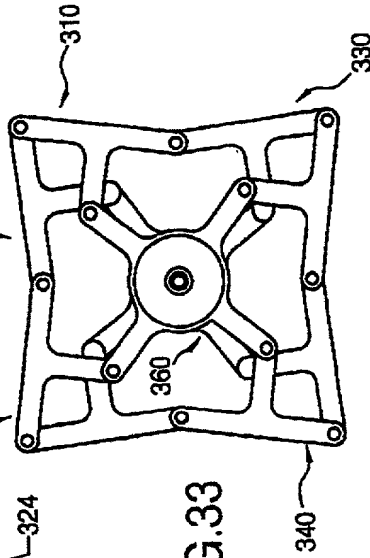


FIG. 34

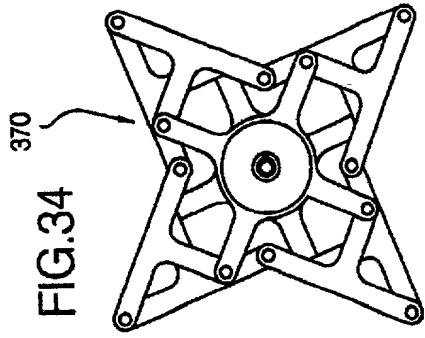


FIG. 35

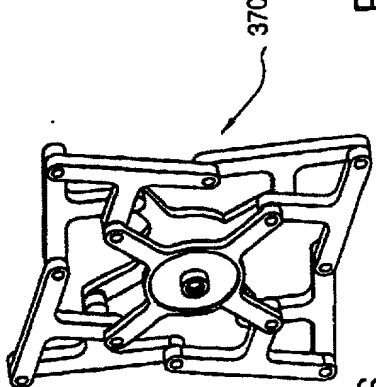
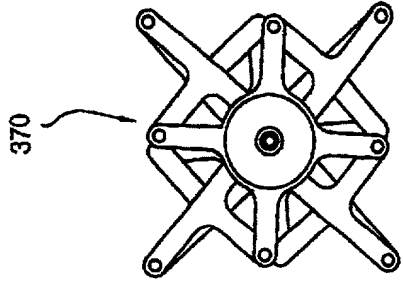


FIG. 36

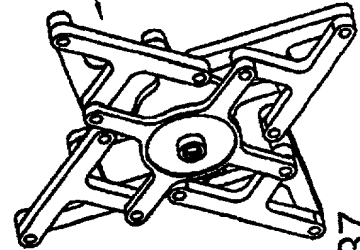


FIG. 37

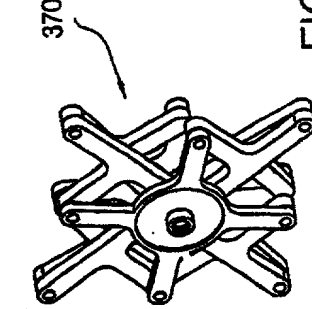


FIG. 38



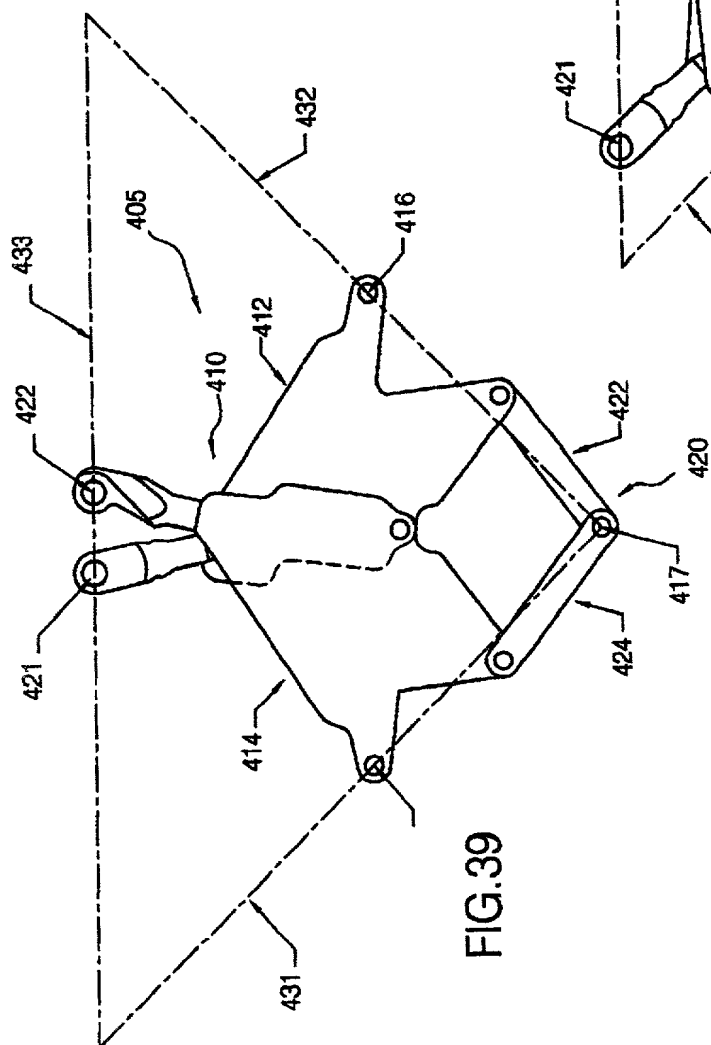


FIG. 39

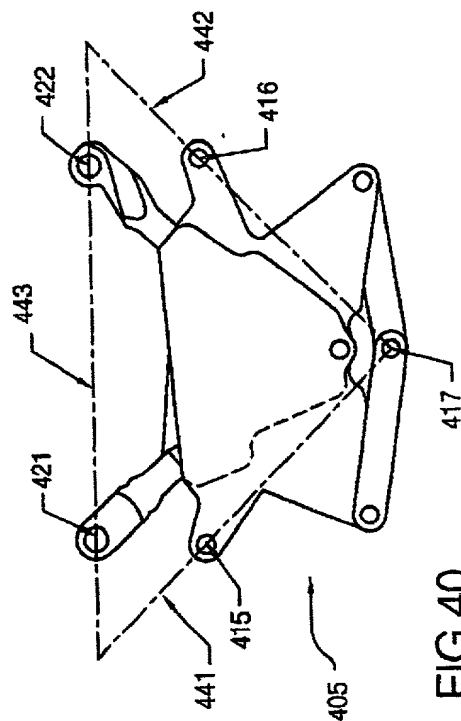


FIG. 40

FIG. 41 is a perspective view of the device 500 in a first configuration, showing the central hub 505 and the four arms 500. The arms 500 are connected to the hub 505 by a series of joints and linkages, allowing them to move relative to each other and the hub. The device 500 is shown in a compact, folded state.

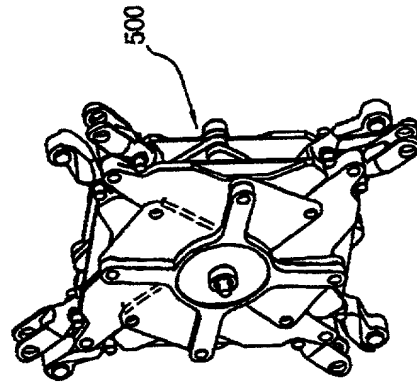
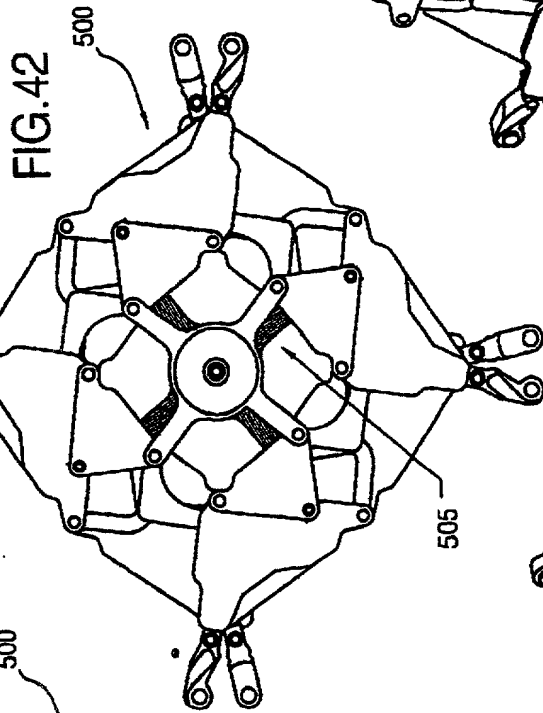
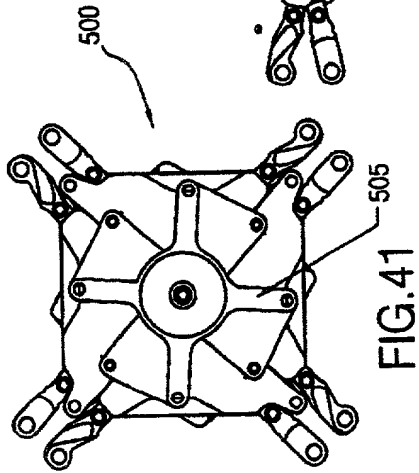


FIG. 43

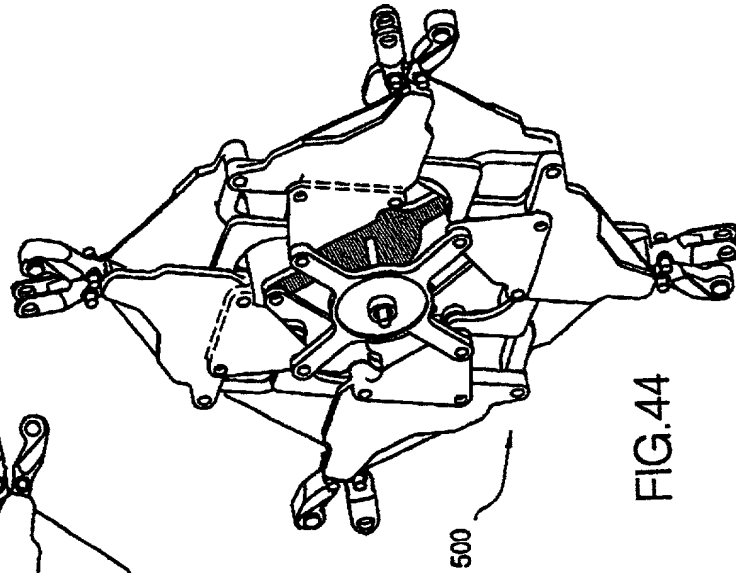


FIG. 44

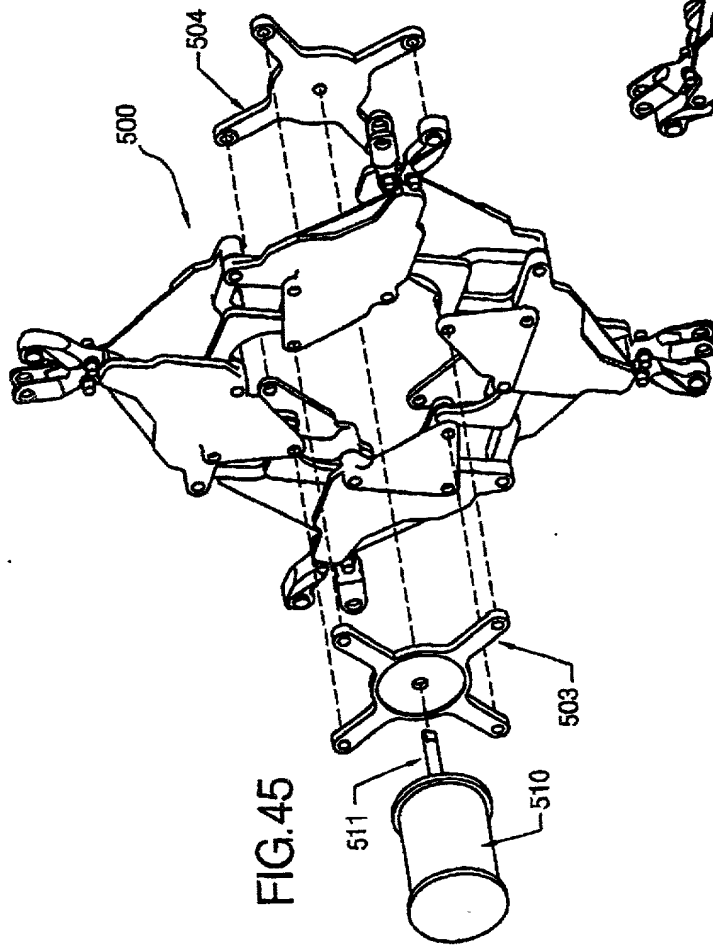


FIG. 45

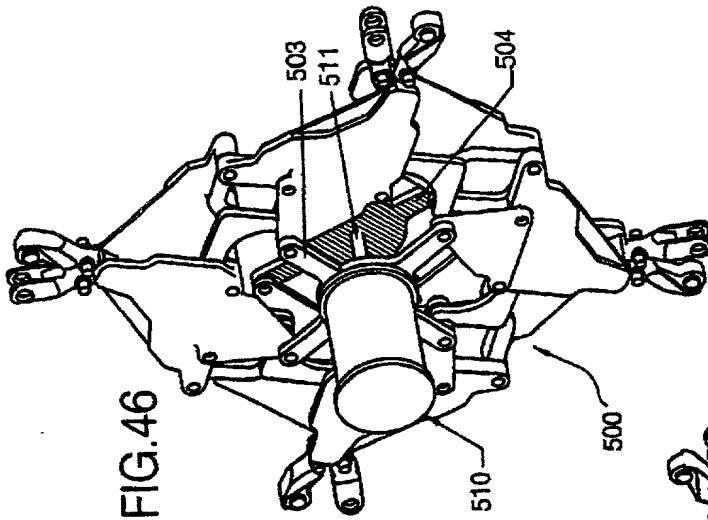


FIG. 46

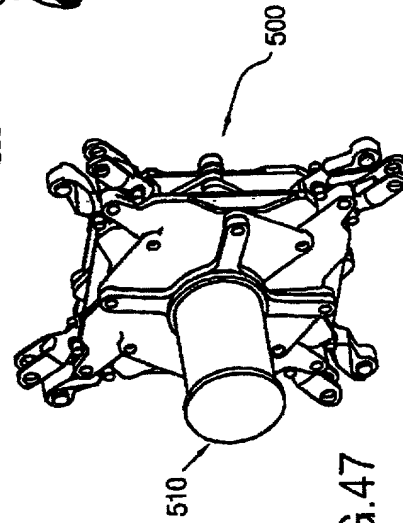


FIG. 47